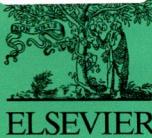


JM
J80/e



Volume 705

15 September 2013

ISSN 1572-6657

Journal of Electroanalytical Chemistry

An International Journal
also devoted to
All Physicochemical Aspects of
Fundamental and Applied Electrochemistry

Editors:
J.M. Feliu
T. Kakiuchi
P. Unwin
X.H. Xia

Available online at www.sciencedirect.com

ScienceDirect

In collaboration with
the International Society
of Electrochemistry





Contents

Abstracts and/or contents lists of this journal are published in: Analytical Abstracts, Metals Abstracts, World Aluminum Abstracts, Chemical Abstracts, Current Contents (Physical, Chemical & Earth Sciences), Engineering Index, INSPEC. Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®.

Numerical studies on scavenging reaction in confined etchant layer technique (CELT) P. Zhou, R. Kang, K. Shi, D. Guo, K. Shan and Z. Li	1
Enhanced ORR activity of cobalt porphyrin co-deposited with transition metal oxides on Au and C electrodes. The ORR threshold data N. Cheng, R. Kutz, C. Kemna and A. Wieckowski	8
Using active carbon as counter electrodes: A two-electrode configuration for pulse amperometric detection Y. Li, G. Wang, J. Jin and X. Wang	13
Mathematical modeling of interdigitated electrode arrays in finite electrochemical cells C. Guajardo, S. Ngamchana and W. Surareungchai	19
Kinetics of decomposition of hydrogen peroxide on the surface of magnetite at high temperature H.R. Zebardast, S. Rogak and E. Asselin	30
Electrochemical reduction synthesis of graphene/Nafion nanocomposite film and its performance on the detection of 8-hydroxy-2'-deoxyguanosine in the presence of uric acid L. Jia and H. Wang	37
Automatic solution of integral equations describing electrochemical transients at dropping mercury electrodes L.K. Bieniasz	44
Preparation and electrochemical characteristics of a polyvinylpyrrolidone-stabilized Si/carbon composite nanofiber anode for a lithium ion battery S.Y. Kim, B.-H. Kim and K.S. Yang	52
Knowledge-based prediction of pore diameter of nanoporous anodic aluminum oxide M. Mohajeri and H. Akbarpour	57
Simultaneous formation of Prussian Blue and copper hexacyanoferrate from a solution of Cu ²⁺ and K ₃ [Fe(CN) ₆] in presence of HAuCl ₄ M.K. Sharma and S.K. Aggarwal	64
Electrochemical degradation of tricyclazole in aqueous solution using Ti/SnO ₂ -Sb/PbO ₂ anode C. Zhong, K. Wei, W. Han, L. Wang, X. Sun and J. Li	68
Oxidized multiwalled carbon nanotubes for improving the electrocatalytic activity of a Schiff base modified electrode in determination of isoprenaline M. Mazloum-Ardakani, A. Naser-Sadrabadi, M.A. Sheikh-Mohseni, H. Naeimi, A. Benvidi and A. Khoshroo	75

(Contents continued on inside back cover)



1572-6657(20130915)705:C;1-T

(Contents continued from outside back cover)

Potentiometric determination of pH values of dilute sulfuric acid solutions with glass combination electrode equipped with ionic liquid salt bridge

M. Shibata, M. Kato, Y. Iwamoto, S. Nomura and T. Kakiuchi

81

Bismuth film random array carbon fiber microelectrodes for determination of cysteine and N-acetyl cysteine

S. Brinić, N. Vladislavić, M. Buzuk, M. Bralić and M. Šolić

86